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(54) LIQUID CRYSTAL MICROCAPSULE, METHOD FOR MANUFACTURING THE SAME, AND LIQUID CRYSTAL DISPLAY ELEMENT USING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a method for manufacturing liquid crystal microcapsules capable of reducing an amount of solvent to be added to an oily phase, capable of obtaining the microcapsules encapsulating a liquid crystal with no projecting and recessing parts to disturb alignment of the liquid crystal and with uniform capsule diameters and further generating no failure of encapsulation and no leakage of the liquid crystal.

SOLUTION: The method for manufacturing the liquid crystal microcapsules is characterized by emulsifying oil-drops containing at least the liquid crystal, an oil soluble monomer and the solvent in an aqueous solution containing at least the solvent, by polymerizing the oil soluble monomer and by encapsulating the liquid crystal. A mode of aqueous solution containing the amount of the solvent corresponding to partition equilibrium quantity before emulsification is preferable.

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